

MATERIAL SAFETY DATA SHEET

Enamel Loc™ Self-Etching Light Cured Pit and Fissure Sealant

Revision B *EU acc. To ISO 11014*

Last revised: 11-January-2007

Approved for use: 12-September-2006

1. Chemical Product and Company Identification

Product Name: Enamel Loc™ *Self-Etching Light Cured Pit and Fissure Sealant*

Manufacturer:

Premier Dental Products Company

1710 Romano Drive

Plymouth Meeting, PA 19462

PH: 610-239-6000; FAX: 610-239-6171

2. Composition/Information of Hazardous Ingredients

Hazardous Ingredients	CAS #	Hazard Identification & Risk Phases
Urethandimethacrylate oligomer	72869-86-4	Xi, R36/37/38
Triethyleneglycoldimethacrylate	109-16-0	Xi
Methacrylated phosphoric acid esters	32435-46-4	Xi, R/36/38-43
4-methacryloxyethyltrimellitic acid	70293-55-9	Xn; Xi; R22-36/38-43
Photo initiators	10287-53-3	Xi, R36/37/38
TiO ₂	13463-67-7	Xi R36/37/38
Fumed Silica	7631-86-9	Xi R36/37/38

✓ Additional information: For the wording of the listed risk phrases refer to section 16.

3. Hazard Identification Xi irritant

Acute Health Hazards: May cause eye, respiratory and skin irritation

Chronic Health Hazards: Material is not known to cause significant health problems

Signs and Symptoms of Exposure: High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness

Primary Routes of Exposure: Inhalation, skin contact, eye contact

Carcinogenicity: NTP – no, OSHA – no, IARC – no

4. First Aid Measures

Inhalation: if irritation occurs, take victim to open air.

Skin contact: wash with soap and water.

Eye contact: Flush with large quantities of water for 15 minutes. Consult a physician.

In case of ingestion: Consult a physician.

5. Fire-Fighting Measures

Flashpoint: N/A

Extinguishing Media: Carbon dioxide, water spray, foam or dry chemical

Special Fire Fighting Procedures: Avoid a direct jet of water

Unusual Fire and Explosion Hazards: None

6. Accidental Release Measures

Environmental Precautions: Avoid seepage into sewers and water supplies.

Clean-Up Procedure: Contain spill and pick up material with a suitable absorbent material. Place absorbent into a container for later disposal. Clean spill area with detergent and water.

7. Handling and Storage

Handling: No special measures necessary if handled according to instructions.

Storage: Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging.

8. Exposure Controls/ Personal Protection

Exposure Controls: Use only in well ventilated areas.

Hand and Skin Protection: Avoid unnecessary skin contact. Wear latex gloves when handling.

Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

9. Physical and Chemical Properties

Appearance: White paste

Odor: Specific odor

Boiling Point/ Range: N/A

Evaporation Rate (water = 1): N/A

Vapor Density (Air = 1): N/A

Solubility in Water: Insoluble

10. Stability and Reactivity

Stability: This material is stable.

Hazardous Reactions: None if handled according to directions

Hazardous Polymerization: May occur

Conditions to Avoid: Heat; UV-light

Incompatibility: Free radicals, reducing agents, heavy metal ions.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, acrylic decomposition products, depending on conditions of heating and burning.

11. Toxicological Information

Acute oral toxicity: LD50 (rat) > 5000 mg/kg

Irritation of Skin: Dryness and irritation possible upon prolonged exposure.

Allergic Effects: Methacrylate-sensitive individuals may exhibit an allergic reaction.

12. Ecological Information

Environmental persistence and degradability: No data available

Ecotoxicity: No data available

Do not discharge into sewers or water supplies.

13. Disposal Considerations

May be disposed of in landfill or incinerator in accordance with local, state and federal regulations.

14. Transport Information

14.1 Transport at land	ADR UN number Packing group Proper shipping name	RID Kemler Number
14.2 Transport at sea	ADNR UN number EMS Proper shipping name	IMDG MFAG Packing Group
14.3 Air transport	ICAO / IATA-DGR UN number Proper shipping name Subsidiary risk Labels Packing group	

U.S. DOT: Shipping Name: Not Regulated

U.S. DOT: Hazard Class: None U.N/ N.A.

Number: None

U.S. Dot Packing Group: None


Other: Not considered hazardous cargo

15. Regulatory Information

This product requires classification according to the criteria of EC.

The product is a medical device according to the EC-directive 93/42.

15.1 UN Number	---
15.2 National regulations	
15.3 EU number	

15.4 Hazard symbols	Xi 
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15.5 Hazard designation Xi: Irritant. Contains 4-Methacryloxyethyltrimellitic acid.

15.6 Risk phrases	R: 22, 36, 37/38, 43 22 Harmful if swallowed. 36 Irritating to eyes. 37/38 Irritating to respiratory system and skin.
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